

ABSTRACT OF THE DISCLOSURE

The present invention has an object of providing a process for improving the efficiency of a DNA amplification reaction, and a process for improving the hybridization specificity of an oligonucleotide to a DNA.

The present invention provides a process for improving the efficiency of a DNA amplification reaction, wherein a primer in which a compound such as LC-Red 705 or an oligonucleotide with a GC content of at least 25% and with at least four bases is added to the 5' terminus is used as the primer; as well as a process for improving the hybridization specificity of an oligonucleotide to a DNA sample, wherein an oligonucleotide in which a compound such as LC-Red 705 is conjugated to the 5' terminus is used for hybridizing to a DNA.